

What is claimed is:

1. An apparatus for containing and cooling objects comprising:
 - a cage of generally non-thermally conductive material comprising:
 - at least one first aperture;
 - at least one second aperture exposing at least a portion of a case and different than the first aperture;
 - wherein the case is of thermally conductive material, is partially within the cage, and is accessible to objects through the at least one first aperture;
 - at least one heat sink thermally coupled to the case through the at least one second aperture; and
 - at least one cover for sealing the at least one first aperture;
 - wherein one or more of the objects thermally coupled to the case will transfer heat to the case, through the second aperture, to the heat sink;
 - wherein the at least one heat sink protrudes through the at least one second aperture to thermally couple to the case.
2. The apparatus of claim 1 wherein the at least one case protrudes through the at least one second aperture to thermally couple to the at least one heat sink.
3. The apparatus of claim 1 further comprising a conductive thermal path between the at least one case and the at least one heat sink.
4. The apparatus of claim 1 wherein the cage is made of a generally non-thermally conductive material from the following group: nylon, plastic, ABS, and structural foam.

5. The apparatus of claim 1 further comprising a base.
6. The apparatus of claim 1 wherein the at least one heat sink includes fins.
7. The apparatus of claim 1 wherein the at least one case comprises one of the following thermally conductive materials: aluminum, copper, bronze, or combinations thereof.
8. The apparatus of claim 1 wherein the at least one heat sink comprises one of the following thermally conductive materials: aluminum, copper, bronze, or combinations thereof.
9. An apparatus for containing and cooling objects comprising:
 - a cage of generally non-thermally conductive material comprising:
 - at least one first aperture;
 - at least one second aperture exposing at least a portion of a case and different than the first aperture;
 - wherein the case is of thermally conductive material, is partially within the cage, and is accessible to objects through the at least one first aperture;
 - at least one heat sink thermally coupled to the case through the at least one second aperture; and
 - at least one cover for sealing the at least one first aperture;
 - wherein one or more of the objects thermally coupled to the case will transfer heat to the case, through the second aperture, to the heat sink;

wherein the at least one case protrudes through the at least one second aperture to thermally couple to the at least one heat sink.

10. The apparatus of claim 9 further comprising a conductive thermal path between the at least one case and the at least one heat sink.

11. The apparatus of claim 1 wherein the cage is made of a generally non-thermally conductive material from the following group: nylon, plastic, ABS, and structural foam.

12. The apparatus of claim 1 further comprising a base.

13. The apparatus of claim 1 wherein the at least one heat sink includes fins.

14. The apparatus of claim 1 wherein the at least one case comprises one of the following thermally conductive materials: aluminum, copper, bronze, or combinations thereof.